

U.S. Patent Application 10/554,199

Amendments to the Abstract:

ABSTRACT

Please replace the abstract that appears on page 16 of the specification as amended with the following clean copy abstract which is submitted on a separate sheet.

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Abstract

An apparatus for determining and/or monitoring at least one physical or chemical, process variable of a medium is now known. It includes at least one mechanically oscillatable unit and at least one driving/receiving unit. The mechanically oscillatable unit includes a tube and an internal oscillator. The tube is connected to a securement unit with an end turned away from the process and the end of the tube turned toward the process is embodied as a free end. The tube surrounds the internal oscillator and the internal oscillator is secured to the end of the tube turned toward the process with an end turned toward the process. The driving/receiving unit excites the mechanically oscillatable unit to oscillate, respectively it receives the oscillations of the mechanically oscillatable unit. The internal oscillator has at least one groove/neck, which determines at least the oscillation frequency of the mechanically oscillatable unit.